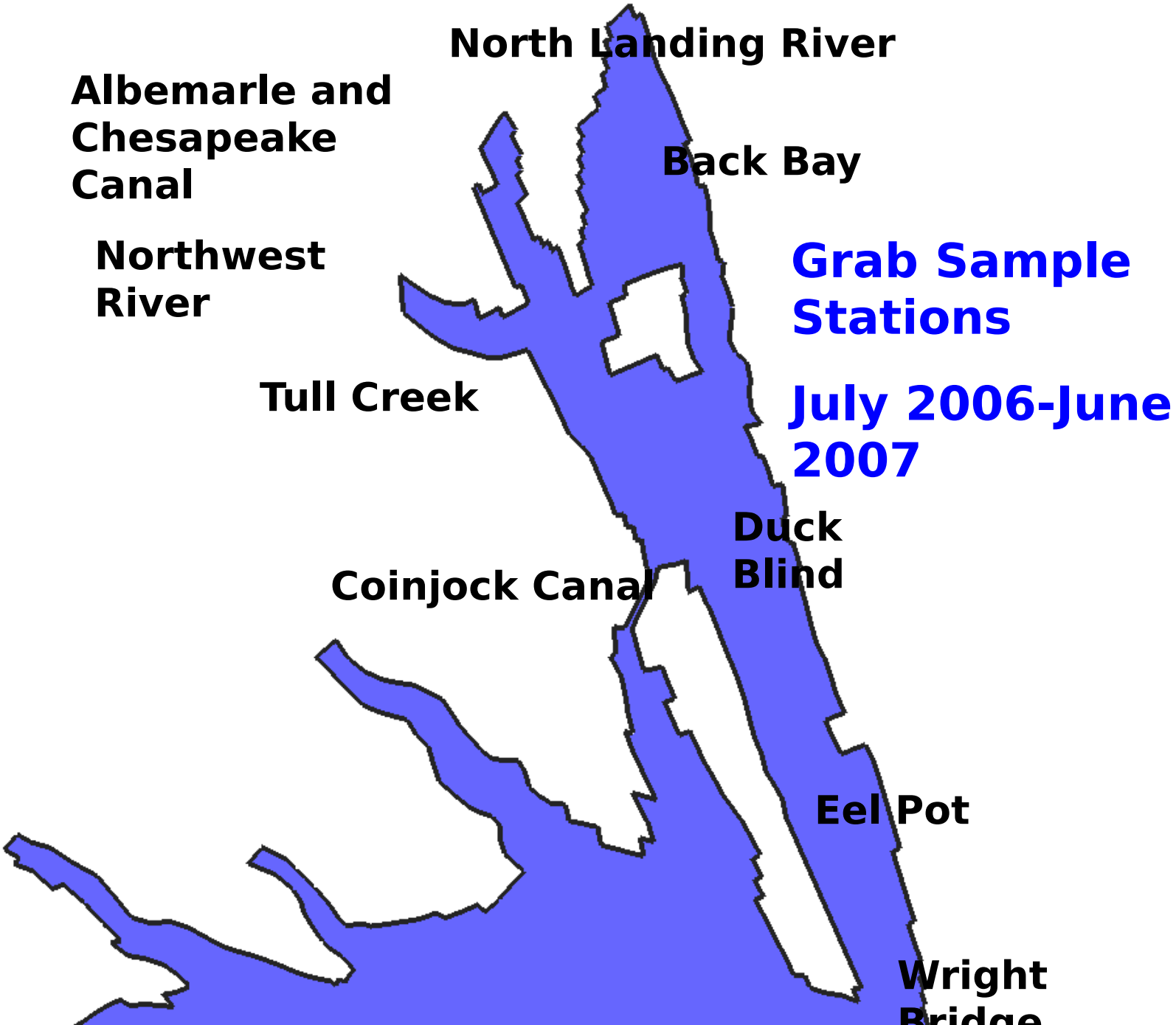
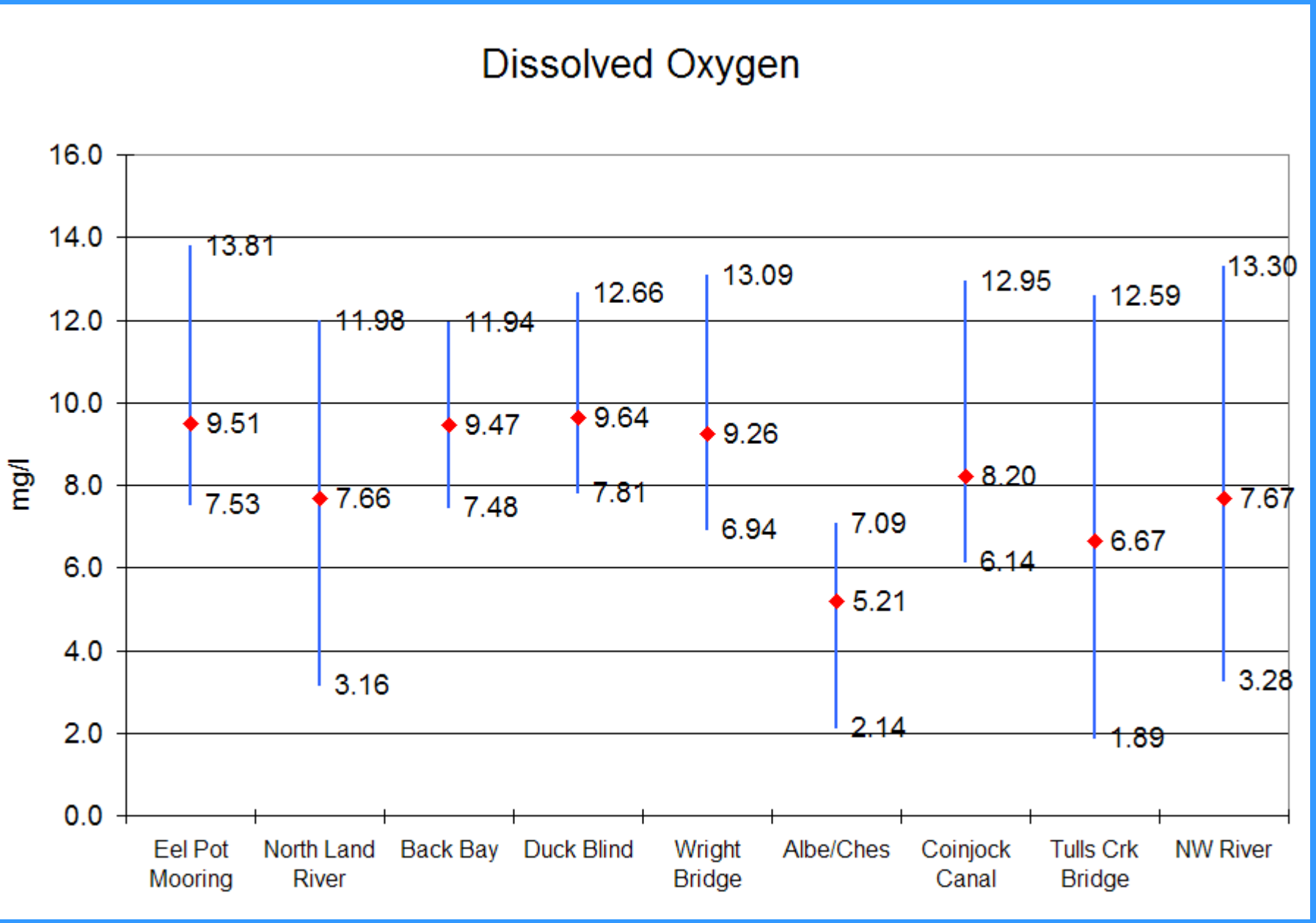
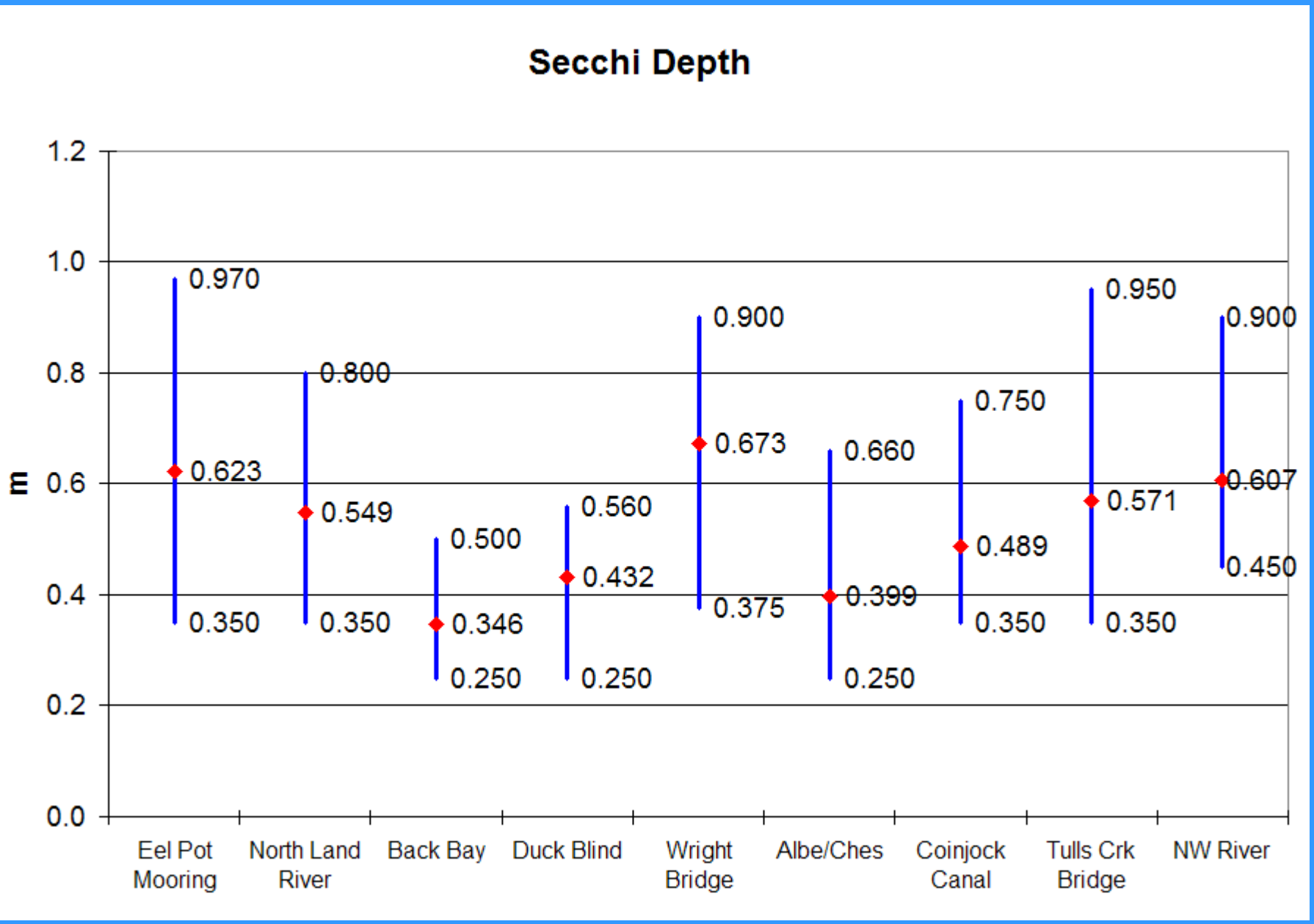
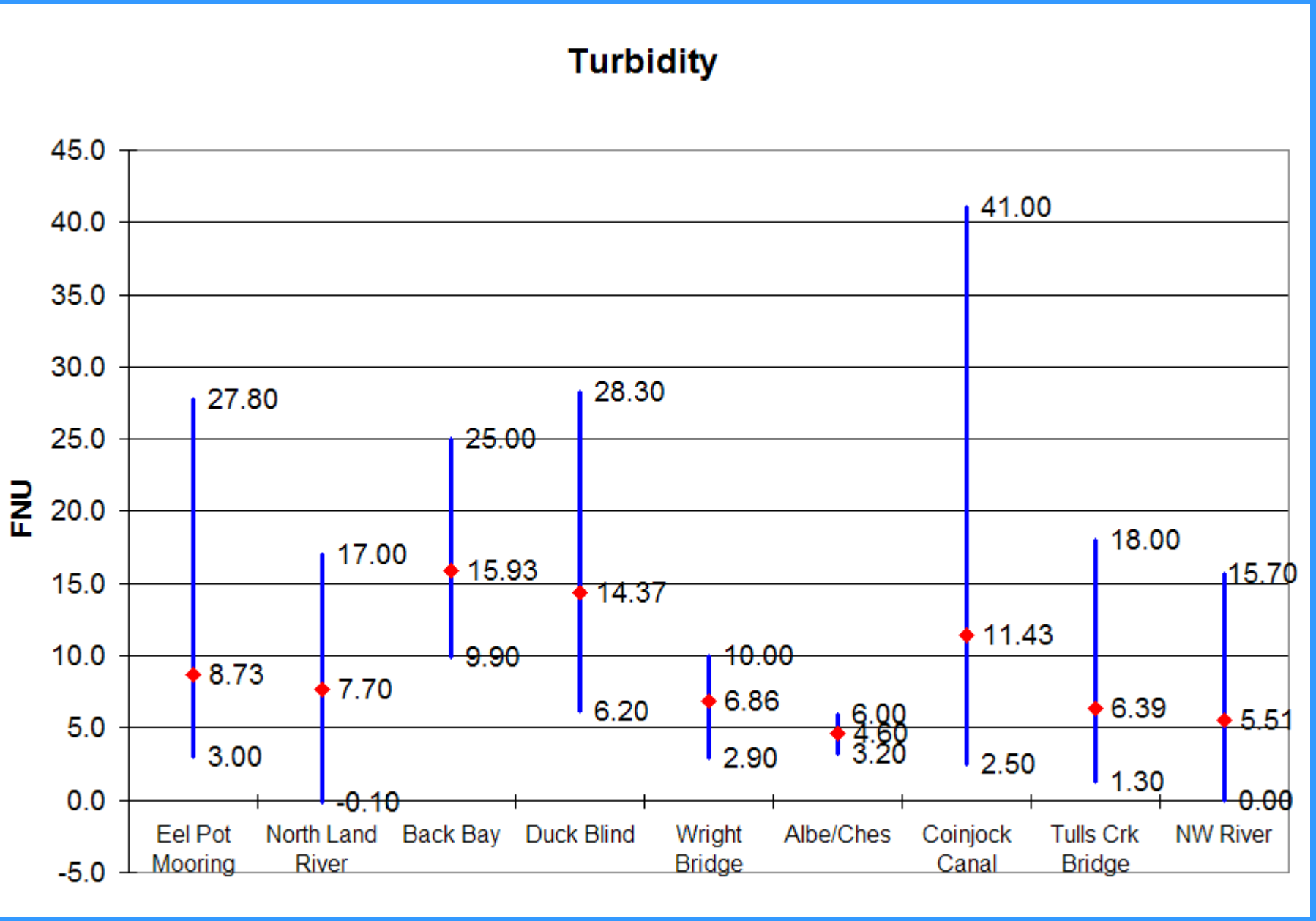
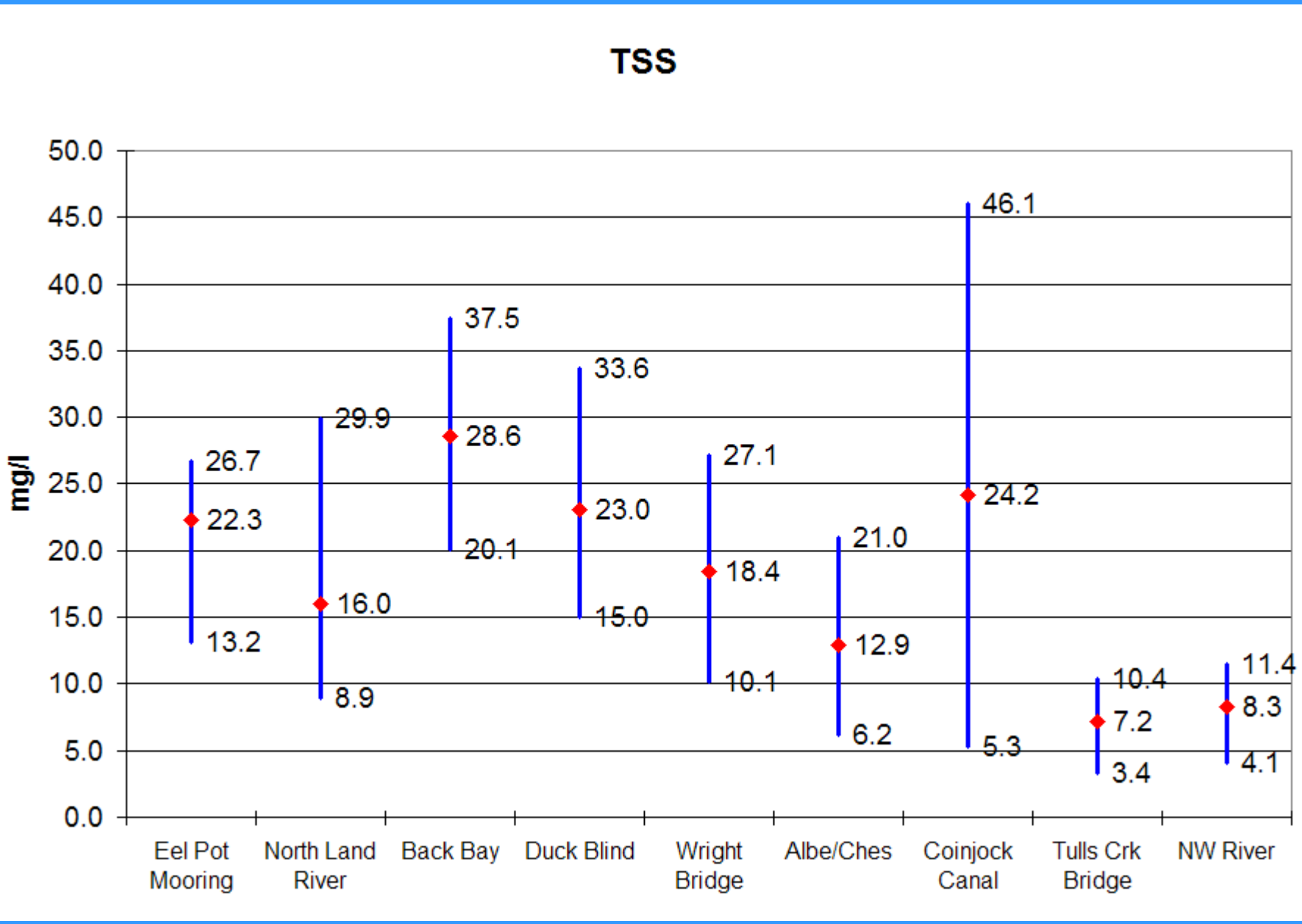
# Grab Sample Summary

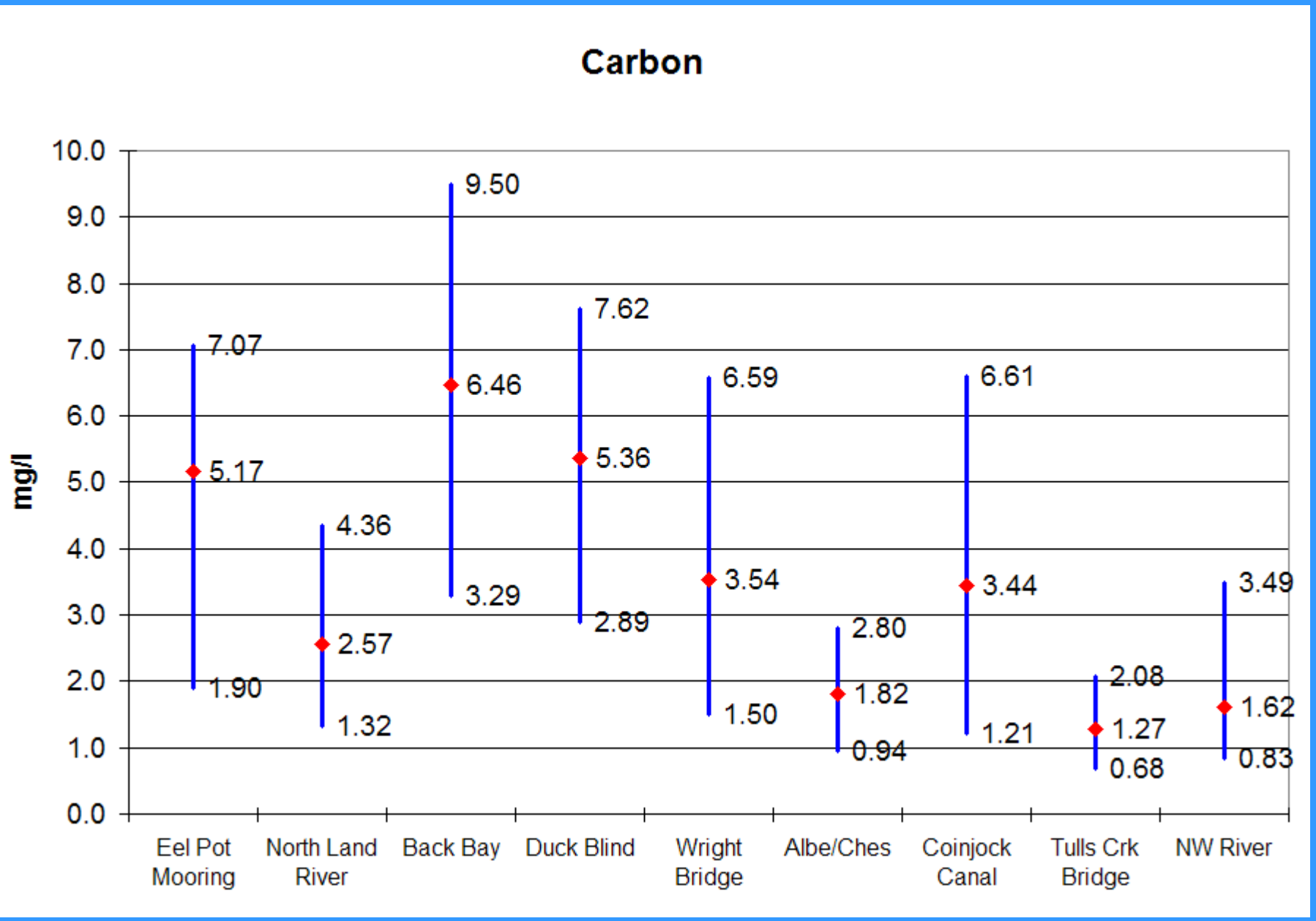

North Landing River
Albemarle and Chesapeake Canal
Back Bay
Northwest River
Grab Sample Stations
July 2006-June 2007
Tull Creek
Duck Blind
Coinjock Canal
Eel Pot
Wright Bridge

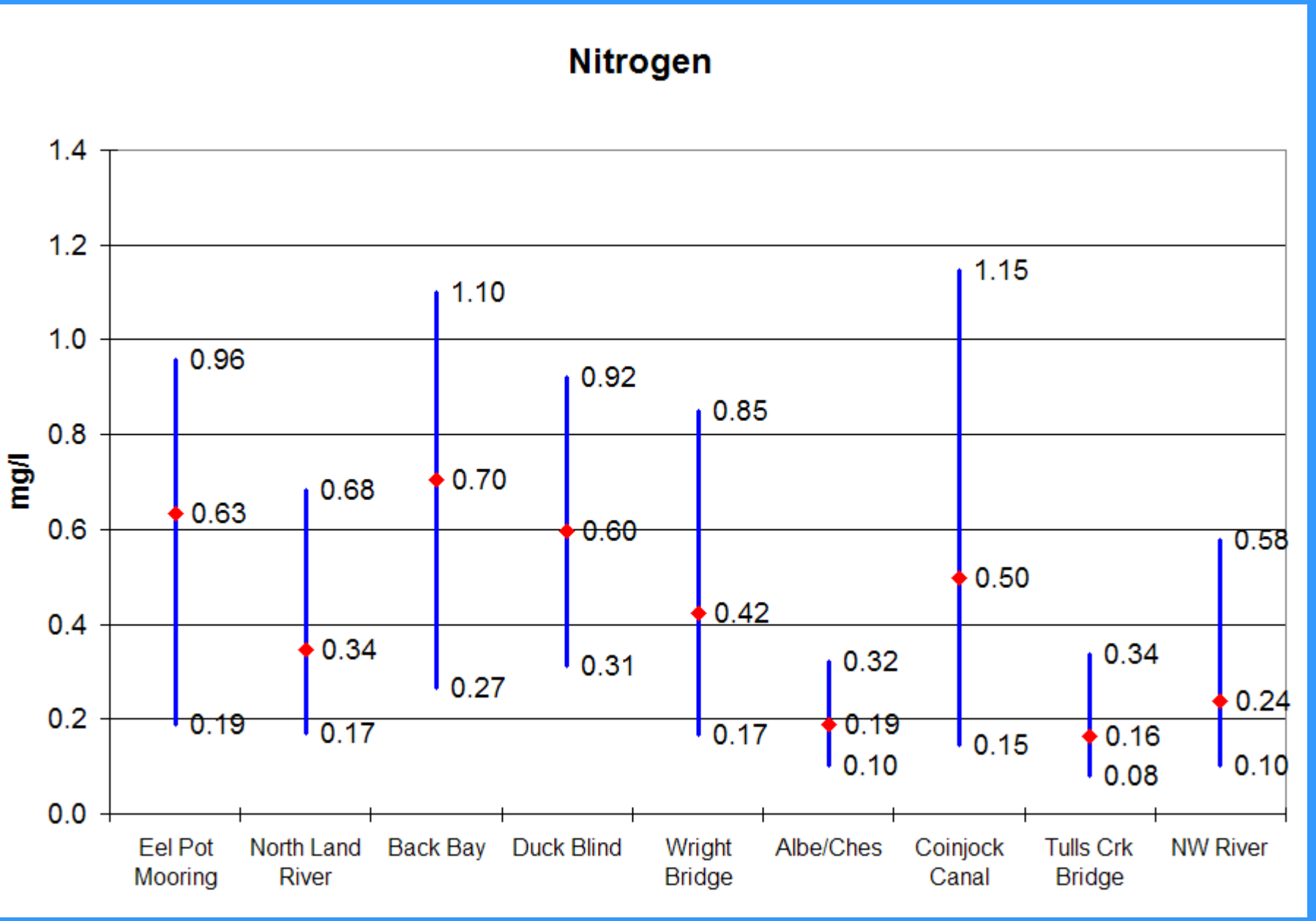

Dissolved Oxygen
mg/l
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
13.81
9.51
7.53
11.98
7.66
3.16
11.94
9.47
7.48
12.66
9.64
7.81
13.09
9.26
6.94
7.09
5.21
2.14
12.95
8.20
6.14
12.59
6.67
1.89
13.30
7.67
3.28
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

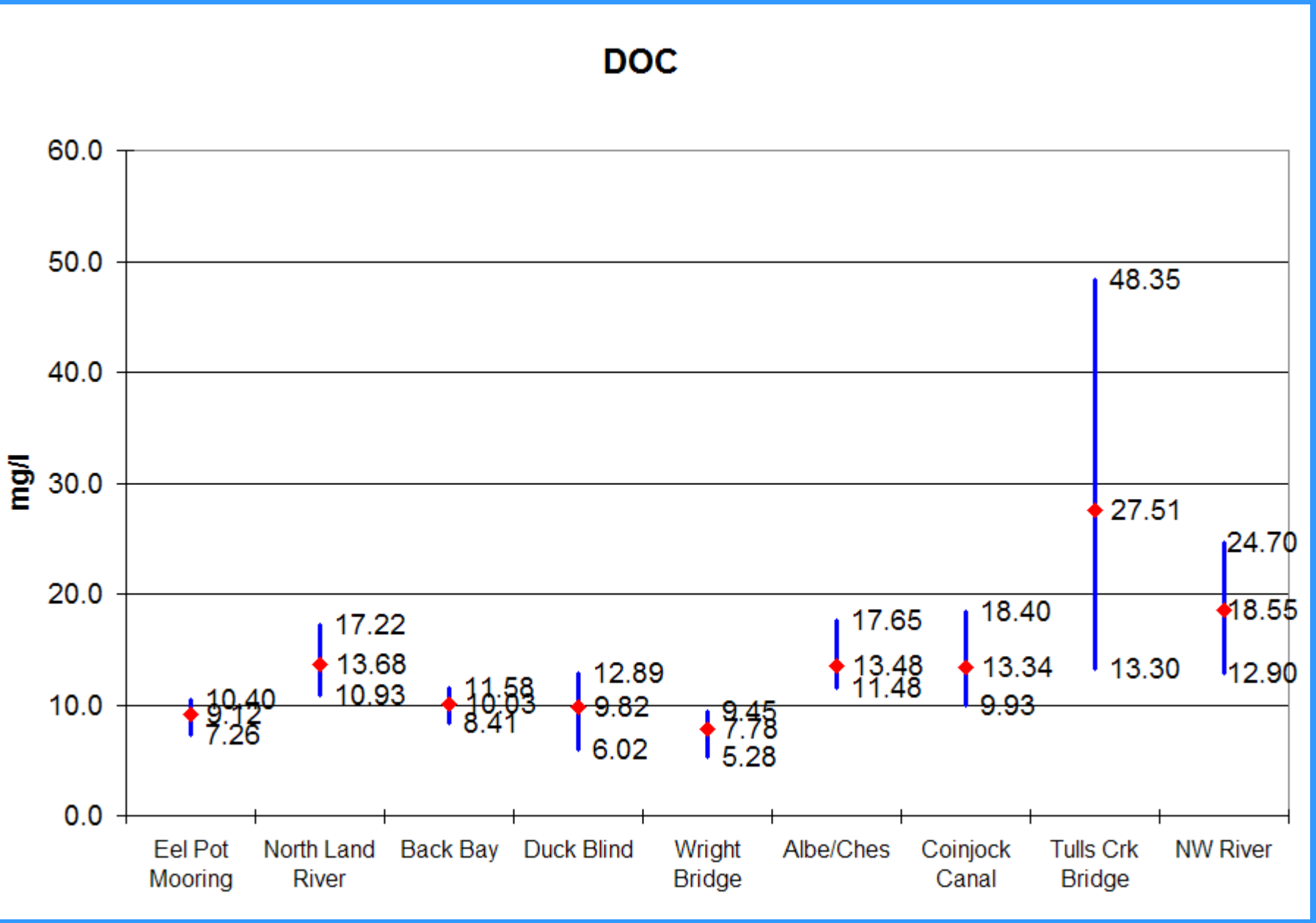

Secchi Depth
m
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.970
0.623
0.350
0.800
0.549
0.350
0.500
0.346
0.250
0.560
0.432
0.250
0.900
0.673
0.375
0.660
0.399
0.250
0.750
0.489
0.350
0.950
0.571
0.350
0.900
0.607
0.450
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

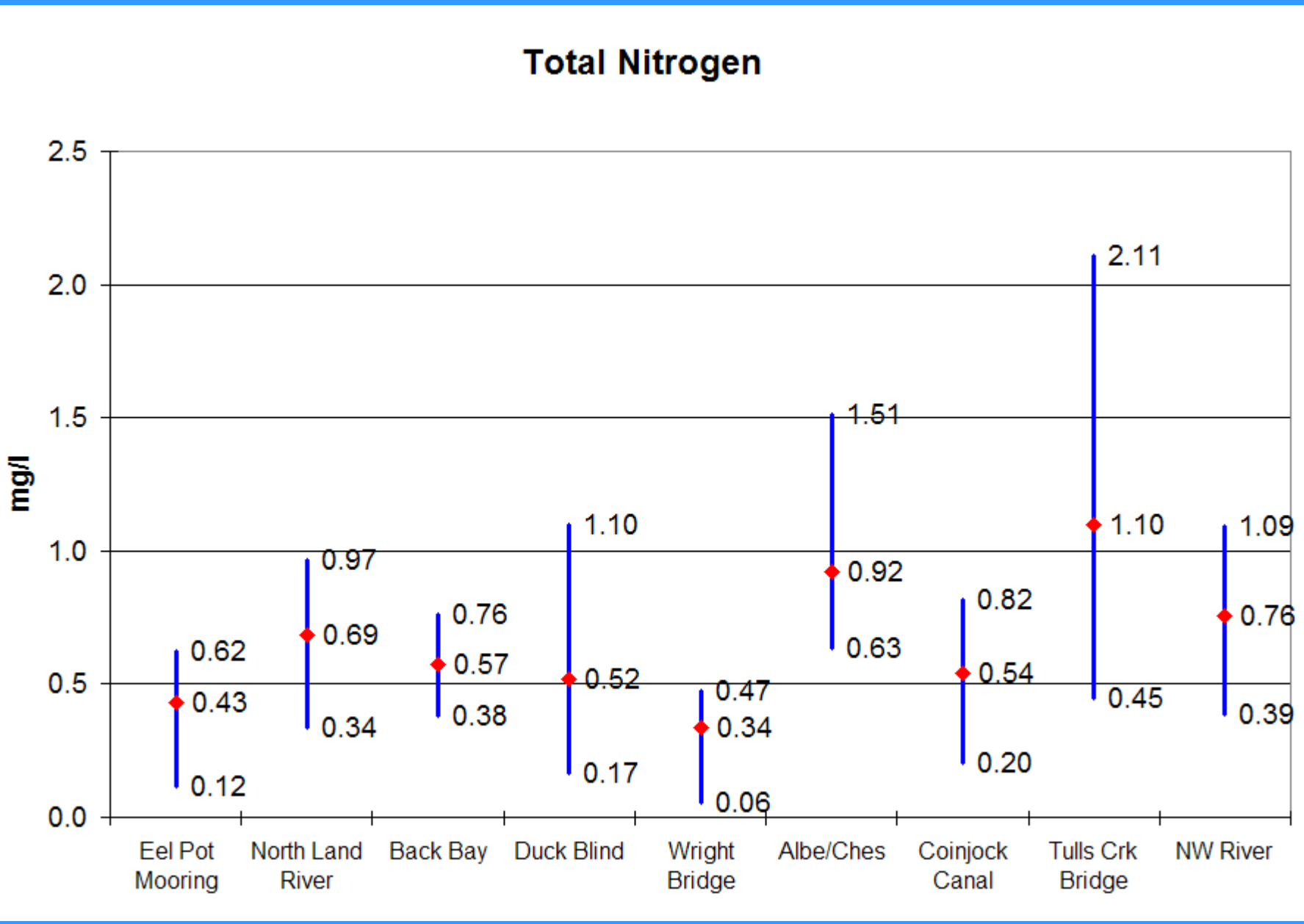

Turbidity
FNU
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
27.80
8.73
3.00
17.00
7.70
-0.10
25.00
15.93
9.90
28.30
14.37
6.20
10.00
6.86
2.90
6.00
4.60
3.20
41.00
11.43
2.50
18.00
6.39
1.30
15.70
5.51
0.00
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

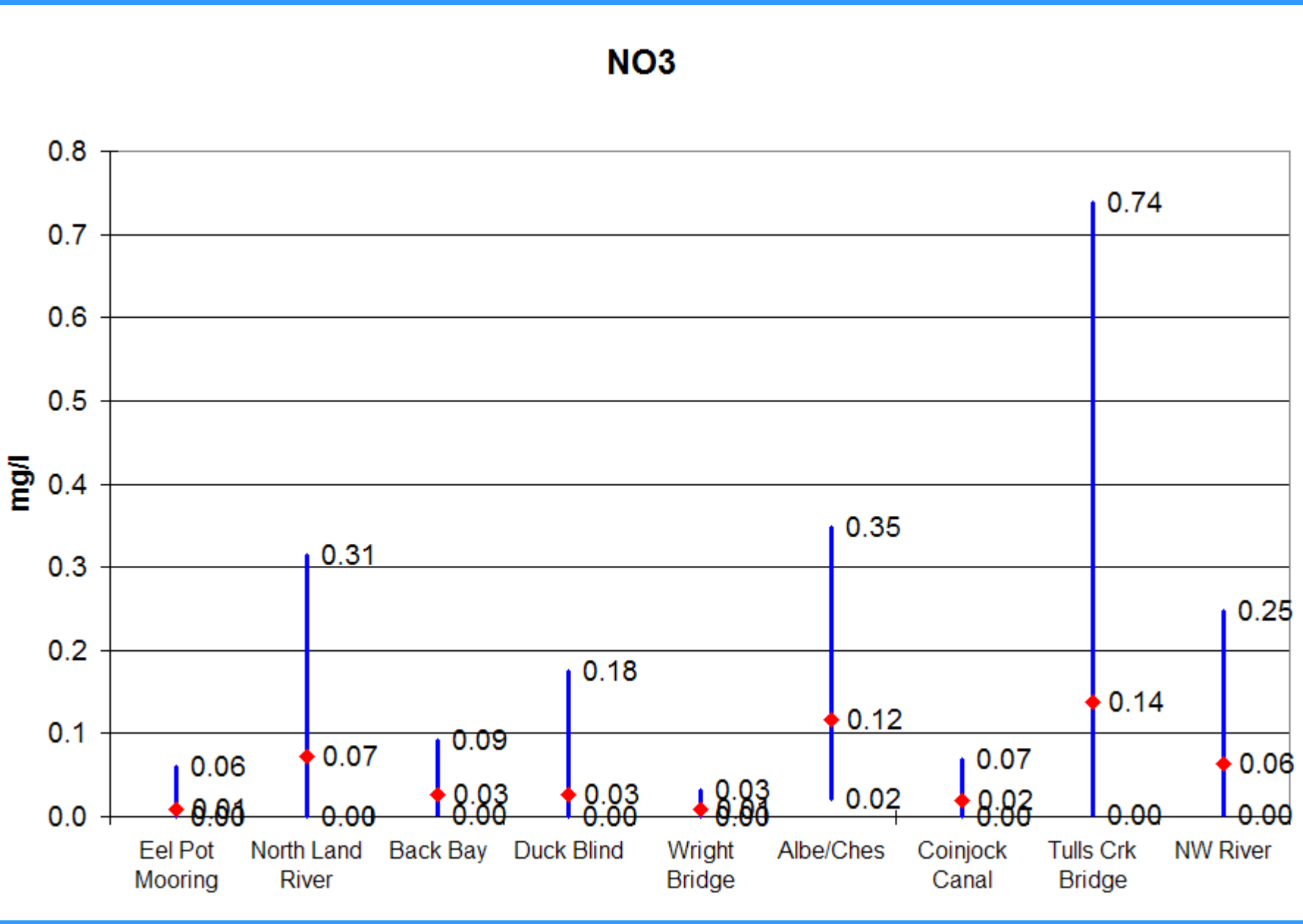

TSS
mg/l
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
26.7
22.3
13.2
29.9
16.0
8.9
37.5
28.6
20.1
33.6
23.0
15.0
27.1
18.4
10.1
21.0
12.9
6.2
46.1
24.2
5.3
10.4
7.2
3.4
11.4
8.3
4.1
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

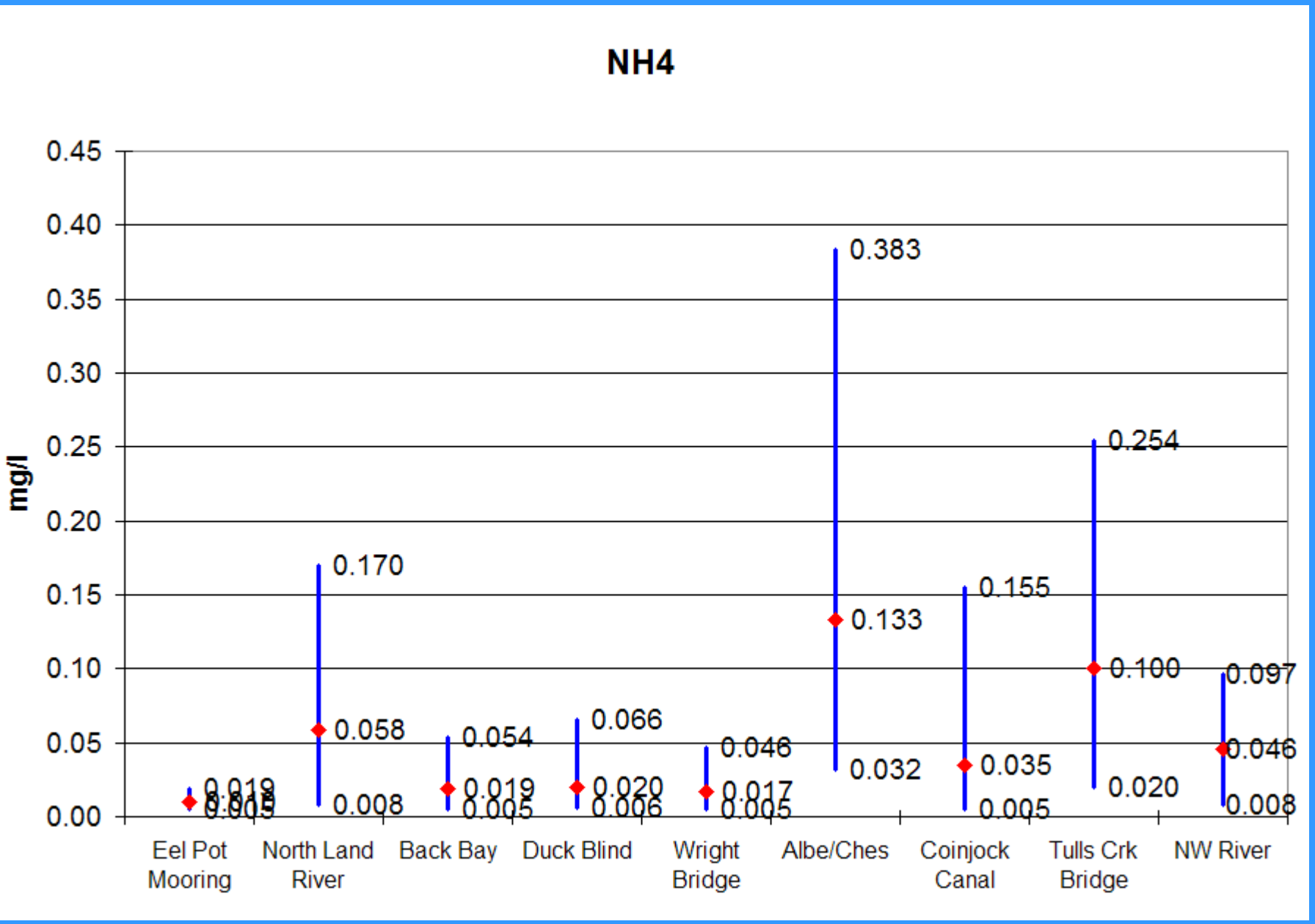

Carbon
mg/l
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
7.07
5.17
1.90
4.36
2.57
1.32
9.50
6.46
3.29
7.62
5.36
2.89
6.59
3.54
1.50
2.80
1.82
0.94
6.61
3.44
1.21
2.08
1.27
0.68
3.49
1.62
0.83
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

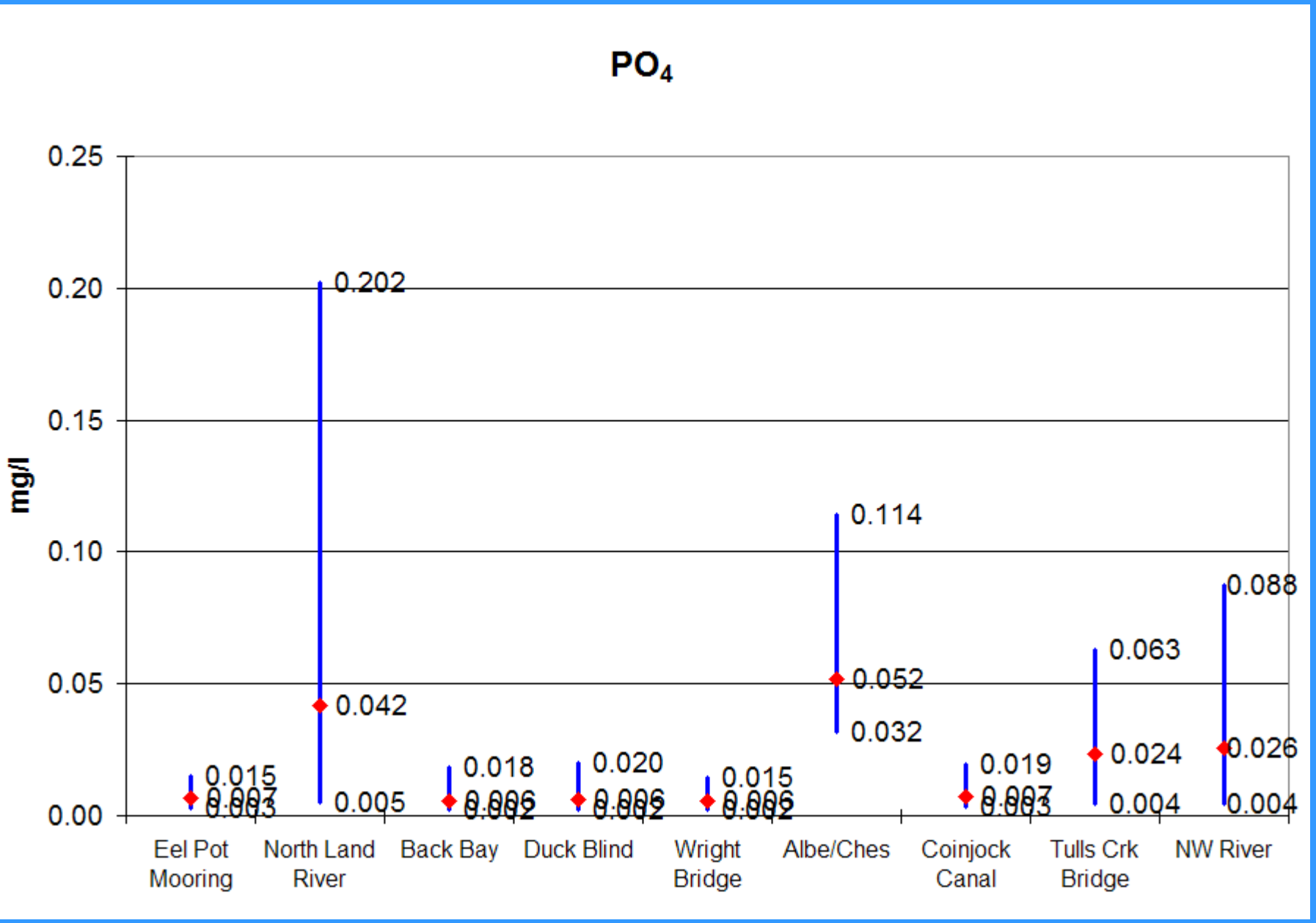

Nitrogen
mg/l
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.96
0.63
0.19
0.68
0.34
0.17
1.10
0.70
0.27
0.92
0.60
0.31
0.85
0.42
0.17
0.32
0.19
0.10
1.15
0.50
0.15
0.34
0.16
0.08
0.58
0.24
0.10
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

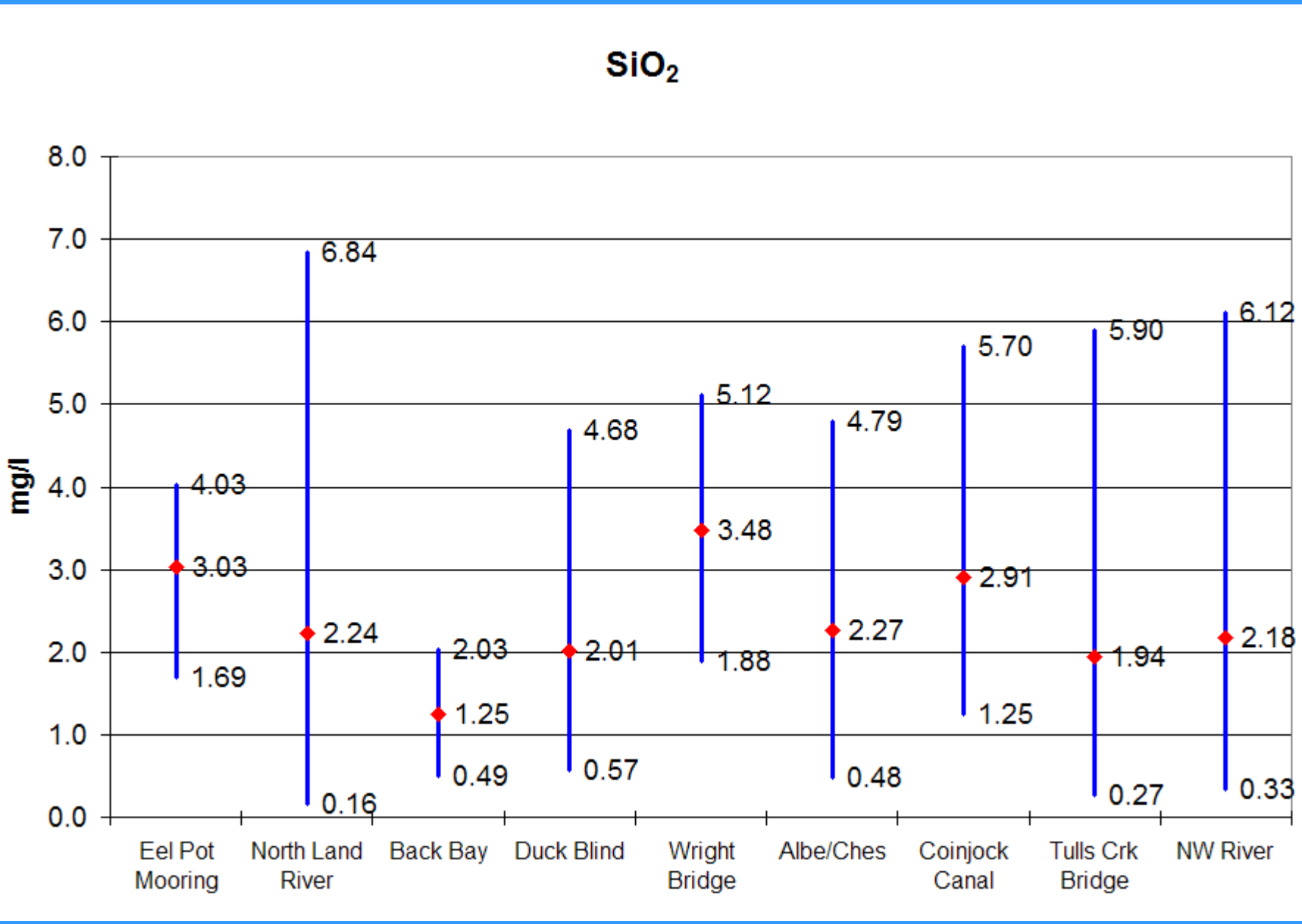

DOC
mg/l
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10.40
9.12
7.26
17.22
13.68
10.93
11.58
10.03
8.41
12.89
9.82
6.02
9.45
7.78
5.28
17.65
13.48
11.48
18.40
13.34
9.93
48.35
27.51
13.30
24.70
18.55
12.90
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

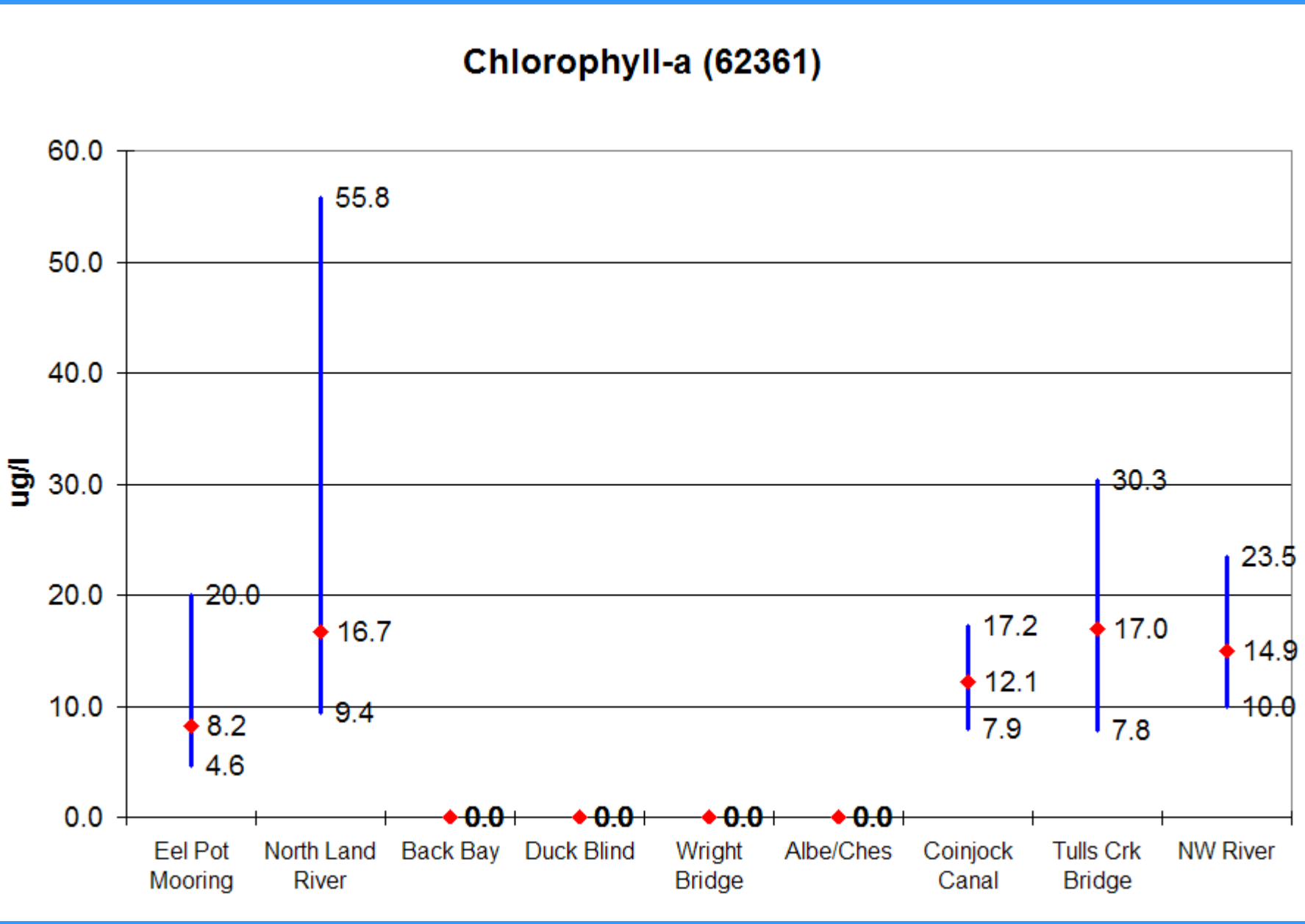

Total Nitrogen
mg/l
2.5
2.0
1.5
1.0
0.5
0.0
0.62
0.43
0.12
0.97
0.69
0.34
0.76
0.57
0.38
1.10
0.52
0.17
0.47
0.34
0.06
1.51
0.92
0.63
0.82
0.54
0.20
2.11
1.10
0.45
1.09
0.76
0.39
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River

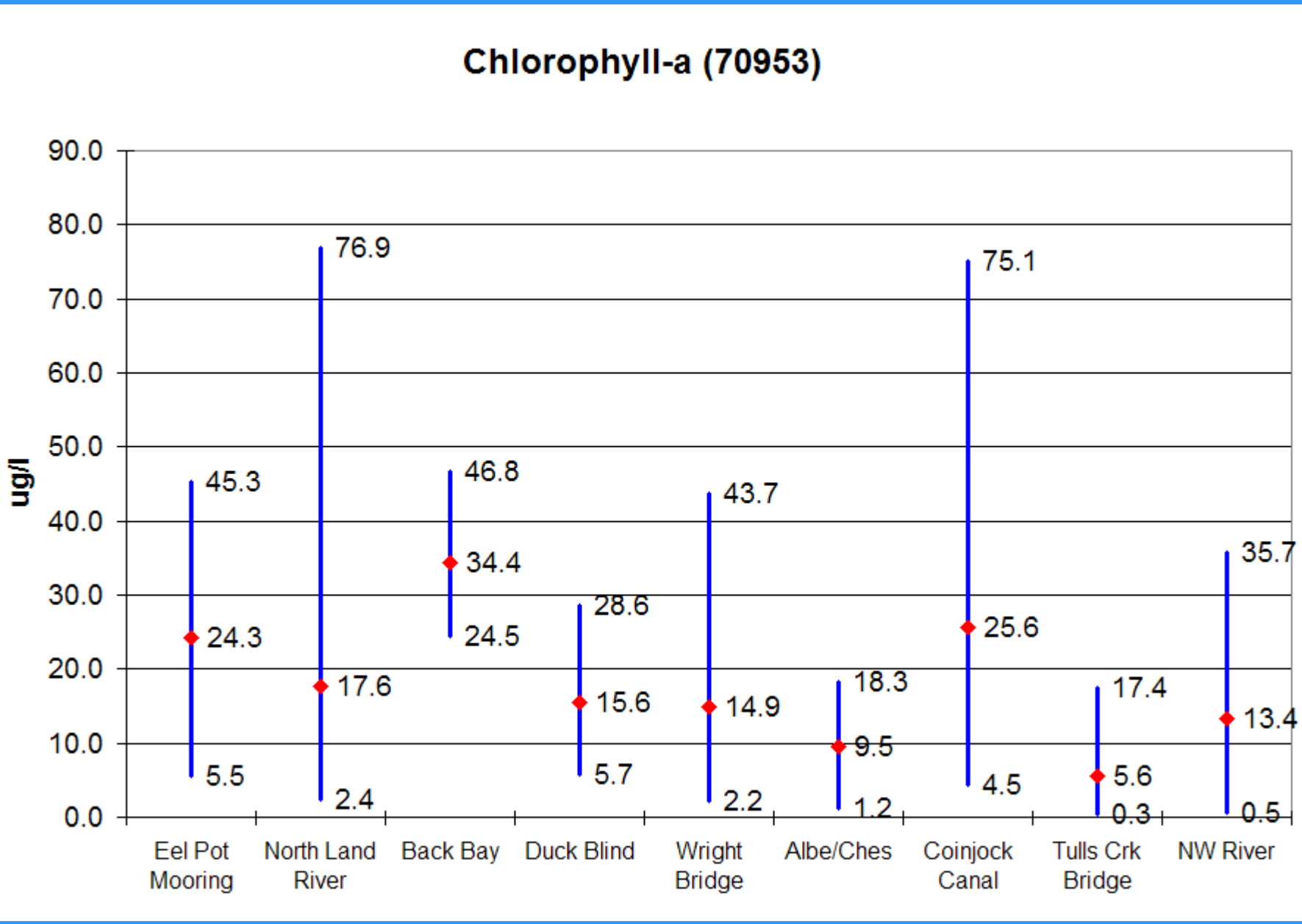

NO3
mg/l
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.06
0.00
0.31
0.07
0.00
0.09
0.03
0.00
0.18
0.03
0.00
0.03
0.00
0.35
0.12
0.02
0.07
0.02
0.00
0.74
0.14
0.00
0.25
0.06
0.00
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River


NH4
mg/l
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.170
0.058
0.008
0.054
0.019
0.005
0.066
0.020
0.006
0.046
0.017
0.005
0.383
0.133
0.032
0.155
0.035
0.005
0.254
0.100
0.020
0.097
0.046
0.008
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River


PO4
mg/l
0.25
0.20
0.15
0.10
0.05
0.00
0.202
0.042
0.005
0.015
0.007
0.003
0.018
0.006
0.002
0.020
0.006
0.002
0.015
0.006
0.002
0.114
0.052
0.032
0.019
0.007
0.003
0.063
0.024
0.004
0.088
0.026
0.004
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River


SiO2
mg/l
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
4.03
3.03
1.69
6.84
2.24
0.16
2.03
1.25
0.49
4.68
2.01
0.57
5.12
3.48
1.88
4.79
2.27
0.48
5.70
2.91
1.25
5.90
1.94
0.27
6.12
2.18
0.33
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River


Chlorophyll-a (62361)
ug/l
60.0
50.0
40.0
30.0
20.0
10.0
0.0
20.0
8.2
4.6
55.8
16.7
9.4
0.0
0.0
0.0
0.0
17.2
12.1
7.9
30.3
17.0
7.8
23.5
14.9
10.0
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River


Chlorophyll-a (70953)
ug/l
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
45.3
24.3
5.5
76.9
17.6
2.4
46.8
34.4
24.5
28.6
15.6
5.7
43.7
14.9
2.2
18.3
9.5
1.2
75.1
25.6
4.5
17.4
5.6
0.3
35.7
13.4
0.5
Eel Pot Mooring
North Land River
Back Bay
Duck Blind
Wright Bridge
Albe/Ches
Coinjock Canal
Tulls Crk Bridge
NW River